ecophysiology 271
effective quantum yield 603
Elachista endarachnae 329
Elachistaceae 329
Elachistiella endarachnae comb. nov. 329
Elachistiella gen. nov. 329
Elachistiella leptonematoides sp. nov. 329
endemism 427
endocytobiosis 614
energy dispersive X-ray analysis 353
Enteromorpha 364
epiconal furrows 166
Epulo gen. nov. 288
Epulo multipedes sp. nov. 288
Eugomontia sacculata 41
eukaryotic microalgae 632
Europe 225
explant culture 596
expressed sequence tags 722

F-actin 693
Favites 768
field cultivation 596
filamentous callus 596
fish-kills 166, 552
Florenciella gen. nov. 658
Florenciella parvula sp. nov. 658
freeze-fracture 543
freshwater 271, 427
Fucaceae 204
Fucales 204, 703
fucoxanthin 603

Galaxauraceae 445
gametophyte 121
Ganonema farinosum 296
Ganonema norrisiae comb. nov. 296
Ganonema papenfussii comb. nov. 296
Ganonema pinnatum 296
Ganonema samaense 296
Ganonema yoshizakii sp. nov. 296
Gelidiales 596
Gelidiella acerosa 596
genetics 271
Gigartinales 68, 493
Glenodinium sanguineum 737
glutamylation 635
Gomontia polyrhiza 41
Gomphonema 427
Gomphonema aciforme sp. nov. 427
Gomphonema imprime sp. nov. 427
Gomphonema lindsayi sp. nov. 427
Gomphonema lowei sp. nov. 427
Gomphonema manifestum sp. nov. 427
Gomphonema multiforme sp. nov. 427
Gomphonema perdurans sp. nov. 427
Gomphonema periintricatum sp. nov. 427
Gomphonema pertusum sp. nov. 427
Gomphonema ravidum sp. nov. 427
Gomphonema trulliforme sp. nov. 427
Gracilaria coronopifolia 493
grain-size 744
Grenada 75
Griffithsia heteromorpha 563
Griffithsia schousboei 563
group I intron 727
growth 703
growth chamber 603
growth rates 271
Gymnodiniales 166, 552, 624

Halimeda cuneata 50
Halochlorococcum moorei 41
Halymenia mirabilis sp. nov. 75
Halymeniaceae 75
Hapalidiaceae 288
haptonema 635
harmful algal blooms 552
Hawaii 68, 296, 445
Hedophyllum sessile 236
Herposiphonia filifera 563
Herposiphonia variabilis 563
Heterocapsa pseudotriquetra sp. nov. 394
Heterokontophyta 658
histochemistry 50
Hydrolithon pachydermum comb. nov. 3
hypnozygote 353
Hypoglossum caloglossoides 563

ichthyotoxic 624
image analysis 282
intracellular pH 383
Ireland 282
iron uptake 632
ITS 422, 672
ITS nrDNA 364
ITS-2 529, 727

Jania 288

Karenia 624
Karenia asterichroma sp. nov. 624
Karenia concordia sp. nov. 552
Karenia umbella sp. nov. 166
Klebsormidium 225

lagoon 311
Lake Tovel 737
Laminaria ochroleuca 603
Laminariales 236, 603, 693
Liagora 296
Liagoraceae 296
life history 176, 756
light 744
Lithothamnion minervae 215
LSU rDNA 166, 624

Macrocystis pyrifera 693
marine 166
Martensia formosana sp. nov. 13
Martensia lewisiae sp. nov. 13
Martensieae 13
Marvania coccoides comb. nov. 641
Mastophoroideae 3
mating system 459
maturation 703
Mazzaella 346
Mediophyceae stat. nov. 245
Mediterranean Sea 215, 404
Melobesioideae 126, 501
Mesophyllum aleuticum sp. nov. 126
Mesophyllum conchatum 126
Mesophyllum crassiusculum comb. nov. 126
Mesophyllum cystocarpideum 501
Mesophyllum lamellatum 126
Mesophyllum vancouveriense 126
Mexican Pacific Ocean 341
Micractinium 529
microalgae 26, 422
Millepora fasciculata 215
molecular phylogeny 3, 13, 41, 58, 91, 105, 166, 245, 296, 364, 383, 529, 624, 641, 658, 672, 682, 711, 727
Monostroma grevillei 41
morphology 58, 91, 176, 236, 341, 455, 672
morphometric analysis 459
multiporate 288
multivariate analyses 311

Nannochloris 641

Nanochlorum 641
necrosis 768
Nemaliales 296, 445
neutral conchosporangia 176
new taxa 3, 13, 58, 68, 75, 79, 91, 126, 166, 204, 245, 288, 296, 329, 394, 427, 445, 455, 459, 501, 529, 552, 563, 579, 624, 641, 658, 682, 711
New Zealand 455, 552
Nitella 91
Nitella megaspora comb. nov. 91
Nitella subgenus *Tieffallenia* 672
nitrogen 483
Nitzschia beyeri sp. nov. 579
Nitzschia buschbeckii sp. nov. 579
Nitzschia ligowskii sp. nov. 579
Nitzschia parvula 579
Nitzschia schweikertii sp. nov. 579
Nitzschia sect. *Tryblionella* 579
Nostoc flagelliforme 521
Nova Scotia 311
nuclear capsule 166
nuclear DNA 672
nutrients 311

Oedogoniales 669
Oedogonium pakistanense 669
ontogeny 3
oospores 91, 672
overgrown germlings 346

Pacific Ocean 416
Pandorina morum 422
Parachlorella beijerinckii sp. nov. 529
Parachlorella gen. nov. 529
Parachlorella kessleri comb. nov. 529
parthenospore 727
Pelvetia 204
perennation 422
Peridiniales 394
Phaeophyceae 204, 236, 329, 404, 603, 693, 703
phenology 176
phosphorus 483, 493
phosphorus deficiency 493
photosynthesis 521
photosynthetic rate 483
phycobilisomes 543
phylogenetic significance 669
phytoplankton 311, 416, 653
Picochlorum atomus comb. nov. 641
Picochlorum eukaryotum comb. nov. 641
Picochlorum gen. nov. 641
Picochlorum maculatus comb. nov. 641
Picochlorum oculata comb. nov. 641
Picochlorum oklahomensis sp. nov. 641
pigmented callus 596
pigments 166
Plagiogrammaceae 58
plant growth regulators 596
plant regeneration 596
Plocamiales 383
Plocamium 383
Podolampas bipes 614
polarity 693
Polysiphonia funebris 79
Polysiphonia tenerrima 79
Porites 768
Porphyra dioica 176, 756
Porphyra linearis 282
post translational modifications 635
Prasinophyceae 682
Prasiola 225
Prorocentrum foveolata 271
Prorocentrum playfairii 271
protein crystals 189
protoplasts 693
Prymnesiophyceae 635
PS II activity 521
Pyramimonas aurea sp. nov. 682
Pyrodinium bahamense 653
Pyrrhophyta 416

rapid ecological assessment 68, 445
*rbc*L 13, 91, 105, 364, 672, 682, 711
red algae 288, 296, 346, 543
red water 737
rehydration 521
reproduction 121, 215
reproductive isolation 459
reproductive phases 121
resource 722
Rhaphoneidaceae 58
Rhodomelaceae 79
Rhodophyta 3, 13, 68, 75, 79, 121, 126, 176, 215, 282, 288, 296, 346, 383, 404, 445, 493, 501, 543, 563, 596, 756
Rosenvingiella 225
rRNA 245
Rubisco 364
Rubisco spacer 383

Sarcophyton 768
Sargassum horneri 703
Scinaia 445
Scinaia huismanii sp. nov. 445
scleractinian coral 768
seasonality 176, 311, 703
secondary structure 422, 529, 672, 727
Sellaphora auldreekie sp. nov. 459
Sellaphora blackfordensis sp. nov. 459
Sellaphora capitata sp. nov. 459
Sellaphora lanceolata sp. nov. 459
Sellaphora obesa sp. nov. 459
Sellaphora pupula 459
SEM 58, 91, 166, 245, 271, 341, 427, 455, 459, 501, 552, 579, 624, 653, 737
Seto Inland Sea 703
sex ratios 176
siderophore 632
silicoflagellates 658
Silvetia compressa subsp. ***deliquescens*** subsp. nov. 204
Sinularia 768
Siphonocladales 189
speciation 383
species concept 459
spherical nucleus 552
Spirotaenia 105
SSU rDNA 58, 105, 658
SSU rRNA 41
Streptophyta 105
subaerial algae 225
supramolecular structure 543
survivorship 236
Symbiodinium 768
Synarthrophyton chejuensis sp. nov. 501
systematics 3, 13, 364, 459, 682

Taiwan 13
Talaroneis furcigerum comb. nov. 58
Talaroneis gen. nov. 58
Talaroneis posidoniae sp. nov. 58
Tasmania 166, 271, 427, 624
taxonomy 91, 126, 271, 329, 341, 416, 459, 501, 579, 624, 658, 672, 711, 737
TEM 50, 58, 245, 353, 394, 529, 543, 614, 641, 658, 682, 711, 768
temperature 26, 282
temperature tolerance 422
tetrasporophyte 121
Thorea ramosissima 543
thylakoid membranes 543

tissue damage 603
toxic algae 653
toxicity 271
Trebouxiophyceae 529, 641
trichogyne 176
tubulin 635

Ulotrichales 41
ultrastructure 50, 353, 614, 658, 682, 711, 768
ultraviolet radiation 603
Ulva 364
Ulva pertusa 483
Ulvaceae 364
Ulvales 364
Ulvophyceae 41
unicellular green alga 722
urban ecology 225
UV-B radiation 26

vegetative anatomy 215
Veleroa complanata sp. nov. 79
Volvocaceae 422

waves 236
Web database 722
western Atlantic 75
Windmill Islands 744
Woloszynskia coronata 737

Xenia 768

young sporophytes 603

Zygnematophyceae 105, 455
zygospore 422

β-carotene 603

BOOK REVIEWS

Biologie et phylogénie des algues. BRUNO DE REVIERS. (Reviewed by William J. Woelkerling) 114

SOCIETY NEWS AND ANNOUNCEMENTS

Tyge Christensen Prize 2003 1
Instructions for Authors . . . . . after 114
Application form for membership . . . . . after 114
Application form for membership . . . . . after 223
List of reviewers 2003 778

Phycologia (2004) Volume 43 (6), 784–785 Published 30 December 2004

AUTHOR INDEX

Abbott I.A. 68, 296, 445
Adey W.H. 126
Afonso-Carrillo J. 79
Aguilar-Rosas L.E. 204
Aguilar-Rosas R. 204
Alfinito S. 455
Arai S. 383, 672, 703
Asamizu E. 722
Athanasiadis A. 126

Badylak S. 653
Báez J.C. 404
Bailey J.C. 3
Bak M. 579
Ballantine D.L. 75
Bandeira-Pedrosa M.E. 50
Barreto Pereira S.M. 50
Basso D. 215
Bayer M.M. 459
Beardall J. 26
Bellows W.K. 41
Bolch C.J.S. 166, 624
Borghi B. 737
Bouzon Z.L. 50
Bravo-Sierra E. 341
Brodie J. 176
Brzezinska A. 579
Buchheim J.A. 641
Buchheim M.A. 641

Cassano V. 329
Chacana M.E. 204
Chang F.H. 552
Chepurnov V.A. 459
Choi D.S. 501
Choi T.S. 483
Chung H. 501
Ciobanu A. 459
Coleman A.W. 422
Coppejans E. 189
Corradini F. 737
Correa J. 346
Cunningham L. 744

de Salas M.F. 166, 624
De Stefano M. 58
Delivopoulos S.G. 543
Denboh T. 727
DeWreede R.E. 236
Dipakkore S. 596
Droop S.J.M. 459
du Buf J.M.H. 459

Eikrem W. 658
Elbrächter M. 614
Eswaran K. 596

Fawley K.P. 641
Fawley M.W. 641
Flaim G. 737
Flores V. 346
Flores-Moya A. 404
Forlani G. 58
Fredericq S. 13
Freshwater D.W. 3
Fujiwara S. 722
Fukuyo Y. 394, 416
Fukuzawa H. 722
Fumanti B. 455
Furuya K. 416

Gabel J.E. 3
Galatis B. 693
Ganesan M. 596
Gao K.S. 521
Garbary D.J. 311, 483
Gómez F. 416
Gontcharov A.A. 105
Guillou L. 641
Guiry M.D. 225, 282

Hallegraeff G.M. 166, 271, 624
Han T. 483
Hanelt D. 603
Hansen G. 394, 737
Hara Y. 91, 672
Hayden H.S. 364
Hegewald E.H. 529
Hendrayanti D. 727
Henley W.J. 641
Hepperle D. 529
Hernández-Becerril D.U. 341
Hiroishi S. 394
Hironaka J.L. 641
Hirono M. 722
Holmes M.J. 176
Hommersand M.H. 13
Hormazábal M. 346
Hu Z. 669
Huisman J.M. 288, 296
Huss V.A.R. 529

Ichimura T. 727
Imai I. 632
Iwamoto K. 722
Iwataki M. 394

Jha B. 596

Kaczmarska I. 245
Kamiya M. 383
Katsaros C. 693
Kawai H. 383
Kelley K. 653
Kennaway G.M. 353
Kim J.H. 483, 501
Kim K.Y. 311, 483
Kociolek J.P. 427, 579
Kooistra W.H.C.F. 58
Kräbs G. 603
Krienitz L. 529

Lange-Bertalot H. 579
Lanker M.D. 121
Latasa M. 658
Le Gall F. 658
Lebednik P.A. 126
Lechtreck K.-F. 635
Lee I.K. 501
Lee T.-M. 493
Leliaert F. 189
Lewis J.M. 353
Lewis R.J. 121
Lin S.-M. 13
Liu G. 669
Liu Z.L. 521
Loke R.E. 459

Mann D.G. 459
Mari M. 215
Matsuda Y. 722
Matsui M. 632
McDonald S.M. 459
McLachlan J.L. 311
McMinn A. 744
Medlin L.K. 245
Melkonian M. 105
Milligan K.L.D. 236
Minagawa J. 722
Miura K. 722
Moestrup Ø. 737
Motomura T. 727
Murase N. 703

Nagahama Y. 416
Naito K. 632
Nakamura Y. 722
Nakazawa A. 711
Nozaki H. 91, 672, 711

O'Kelly C.J. 41
Oliveira E.C. 50

Pearce I. 271
Pedroche F.F. 204
Pereira R. 756
Phlips E.J. 653
Piva T.J. 768

Qiu B.S. 521

Rajakrishna Kumar G. 596
Raum J. 204
Raven J.A. 26
Real R. 404
Reddy C.R.K. 596
Reiss H.-D. 543
Rindi F. 225
Rodondi G. 215
Rohr T. 529
Rojas-González B. 79
Roleda M.Y. 603
Romari K. 658
Ruiz H. 75
Ruppel M. 579
Ryan K.G. 552

Sabbe K. 427
Sakayama H. 91, 672
Sammarco P.W. 768
Santelices B. 346
Sato H. 672
Sawaguchi T. 394
Schneider C.W. 563
Schweikert M. 614
Sherwood A.R. 296
Shimogawara K. 722
Shin H.W. 483
Silva P.C. 204
Sousa-Pinto I. 756
Spaulding S.A. 427

Stengel D.B. 282
Sterrenburg F.A.S. 58
Strychar K.B. 768
Subba Rao P.V. 596
Suda S. 682
Suzuki M. 632

Tabata S. 722
Takahashi Y. 722
Terawaki T. 703
Thiruppathi S. 596
Throndsen J. 658
Townsend R.A. 288
Tsekos I. 543

Varela-Alvarez E. 282
Vargas J.M. 404
Varvarigos V. 693
Vaulot D. 658
Vroom P.S. 68, 445
Vyverman W. 427

Waaland J.R. 364
Wawrzyniak-Wydrowska B. 579
Wiencke C. 603
Witkowski A. 579
Wolf M. 529
Wynne M.J. 329
Wysor B. 41

Yamada T. 711
Yano T. 383
Yarish C. 756
Yoneshigue-Valentin Y. 329
Yoshida G. 703

Zhang A.H. 521